CLAIMS

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- 1. A phosphor characterized by being represented by the formula $\mathrm{Eu}_{2-x}\mathrm{Ln}_x\mathrm{M}_y\mathrm{O}_{3\,(y+1)}$, wherein $0 \le x < 2$, Y is 2 or 3, Ln represents at least one member selected from among Y, La, and Gd, and M represents at least one member selected from the group consisting of W and Mo.
- 2. A phosphor characterized by being represented by the formula $Eu_{2-x}Ln_xM_2O_9$, wherein $0 \le x < 2$, Ln represents at least one member selected from among Y, La, and Gd, and M represents at least one member selected from the group consisting of W and Mo.
- 3. A phosphor characterized by being represented by the formula $\mathrm{Eu_{2-x}Ln_xM_3O_{12}}$, wherein $0 \le x < 2$, wherein Ln represents at least one member selected from among Y, La, and Gd, and M represents at least one member selected from W and Mo.
- 4. A phosphor as described in claim 2, wherein x in the formula $Eu_{2-x}Ln_xM_2O_9$ satisfies the condition $0 \le x \le 1.5$.
- 5. A phosphor as described in claim 3, wherein x in the formula $Eu_{2-x}Ln_xM_3O_{12}$ satisfies the condition $0 \le x \le 1.8$.
 - 6. A phosphor as described in any one of claims 1 to 5, wherein M is W.
- 7. A phosphor as described in any one of claims 1 to 6, wherein Ln is Y.
 - 8. A phosphor as described in any one of claims 1 to 7, which has a particle size of 50 μm or less.
 - 9. A phosphor as described in any of claims 1 to 8, which emits red light.
 - 10. A light-emitting device comprising a light-emitting element and a phosphor as recited in any of claims 1 to 9 in combination.
- 11. A light-emitting device as described in claim 35 10, wherein the light-emitting element is a nitride semiconductor light-emitting element and emits light

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having a wavelength falling within a range of 220 nm to 550 nm.

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- 12. A light-emitting screen employing a phosphor as recited in any of claims 1 to 9.
- 13. A method for producing a phosphor as recited in any one of claims 1 to 9, characterized in that the method comprises firing at 800 to 1,300°C a mixture containing europium oxide or a compound forming europium oxide through heating; yttrium oxide, lanthanum oxide, gadolinium oxide, or at least one compound forming any of these oxides through heating; and tungsten oxide, molybdenum oxide, or at least one compound forming any of these oxides through heating.